



# Methode

**"RELI-ACON" CONNECTORS**

■ CARD RECEPTACLES ■ CARD PLUGS ■ PATCH CORDS



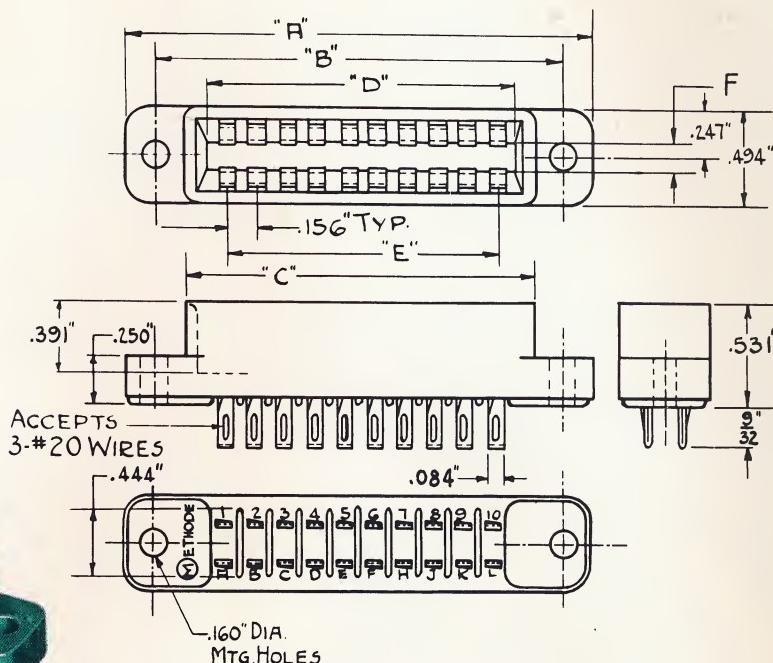
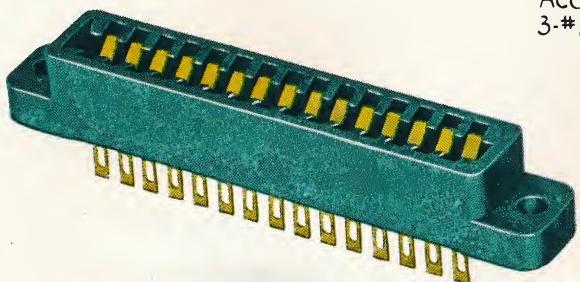
**Methode Electronics, Inc. • 7447 W. Wilson Ave. • Chicago 31, Ill.**

# Methode "RELI-ACON" Card Receptacles

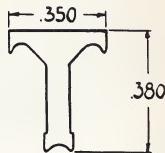
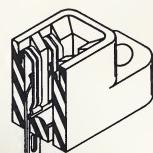
Designed for standard  $\frac{3}{32}$ " and  $\frac{1}{8}$ " thick boards with .156 tab spacing  
these units will accommodate boards made to Class 1 NEMA standards.

## FD-700 Series

FD-700 Series, for either  $\frac{3}{32}$  or  $\frac{1}{8}$  inch printed circuit card. To specify for  $\frac{3}{32}$  inch card add -3 to basic part number. For  $\frac{1}{8}$  inch card add -4 to basic part number. Examples: FD-730-4S, 30 contact connector for  $\frac{1}{8}$  inch card, glass filled dialyl phthalate, beryllium-copper, hard gold-plated contacts of either solid or split face design at area mating with plug-in PC Board. When ordering split-face type contact, add suffix -SF to part number. Example: FD-700-3S-SF



Part Number	Dim. "A"	Dim. "B"	Dim. "C"	Dim. "D"	Dim. "E"	Dim. "F"	No. of Contacts	Board Thickness
FD-712-3S	1.785	1.531	1.239	1.097	.780	.108	12	$\frac{3}{32}$ "
FD-712-4S	1.785	1.531	1.239	1.097	.780	.154	12	$\frac{1}{8}$ "
FD-716-3S	2.097	1.843	1.551	1.409	1.092	.108	16	$\frac{3}{32}$ "
FD-716-4S	2.097	1.843	1.551	1.409	1.092	.154	16	$\frac{1}{8}$ "
FD-720-3S	2.410	2.156	1.864	1.723	1.404	.108	20	$\frac{3}{32}$ "
FD-720-4S	2.410	2.156	1.864	1.723	1.404	.154	20	$\frac{1}{8}$ "
FD-724-3S	2.780	2.470	2.160	1.956	1.716	.108	24	$\frac{3}{32}$ "
FD-724-4S	2.780	2.470	2.160	1.956	1.716	.154	24	$\frac{1}{8}$ "
FD-730-3S	3.248	2.938	2.628	2.424	2.184	.108	30	$\frac{3}{32}$ "
FD-730-4S	3.248	2.938	2.628	2.424	2.184	.154	30	$\frac{1}{8}$ "
FD-736-3S	3.660	3.406	3.114	2.972	2.652	.108	36	$\frac{3}{32}$ "
FD-736-4S	3.660	3.406	3.114	2.972	2.652	.154	36	$\frac{1}{8}$ "
FD-744-3S	4.285	4.031	3.739	3.597	3.276	.108	44	$\frac{3}{32}$ "
FD-744-4S	4.285	4.031	3.739	3.597	3.276	.154	44	$\frac{1}{8}$ "



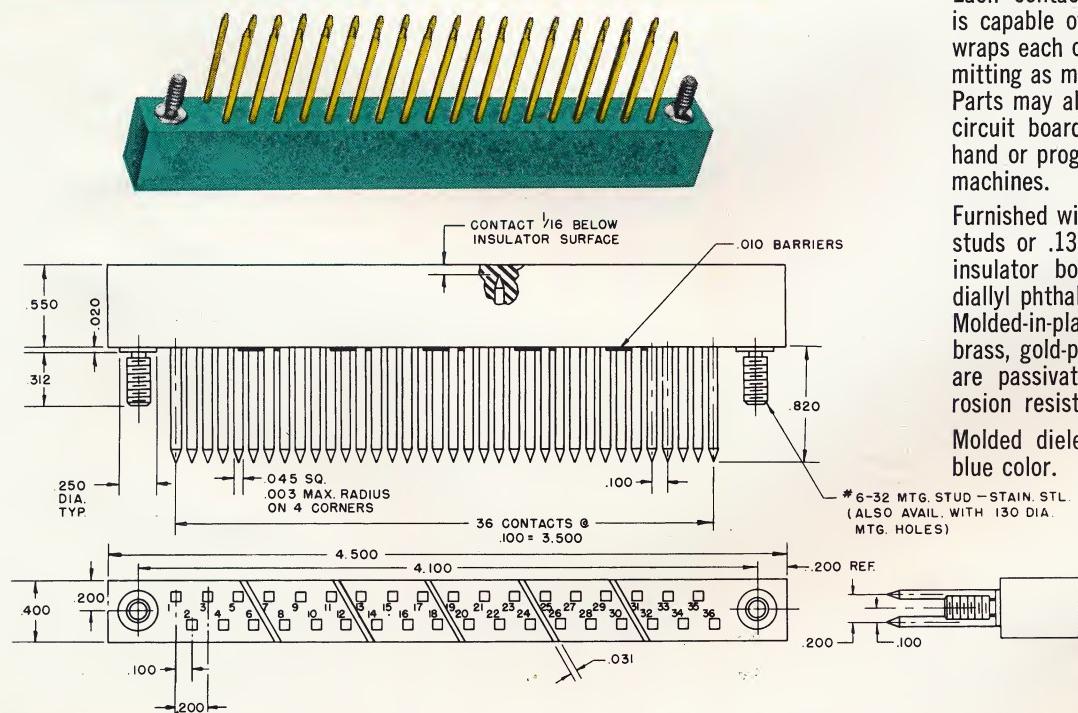
MEETS REQUIREMENTS OF MIL-C-21097

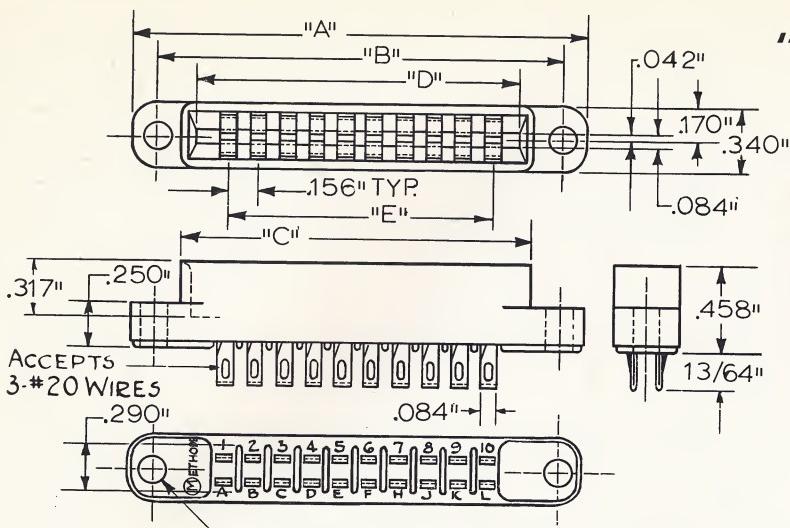
## "RELI-ACON" Terminal Blocks TB-836W

Each contact of these terminal blocks is capable of accepting approximately 5 wraps each of 3 #20 wires, thereby, permitting as many as 108 interconnections. Parts may also be mounted on a printed circuit board, and will readily adapt to hand or programmed automatic wrapping machines.

Furnished with either threaded mounting studs or .130" dia. mounting holes, the insulator body material is orion filled dialyl phthalate (MIL-M-14F, type SD1-5). Molded-in-place contacts are full hard brass, gold-plated. #6-32 threaded studs are passivated stainless steel for corrosion resistance.

Molded dielectric available in green or blue color.





FD-620S is Shown

Part Number	Dim. "A"	Dim. "B"	Dim. "C"	Dim. "D"	Dim. "E"	No. of Contacts
FD-612S	1.785	1.531	1.239	1.097	.781	12
FD-616S	2.097	1.843	1.551	1.409	1.093	16
FD-620S	2.410	2.156	1.864	1.723	1.406	20
FD-624S	2.722	2.468	2.176	2.035	1.716	24
FD-630S	3.191	2.937	2.645	2.504	2.187	30
FD-636S	3.660	3.406	3.114	2.972	2.656	36
FD-644S	4.285	4.031	3.739	3.597	3.281	44
FD-648S	4.597	4.343	4.051	3.909	3.593	48

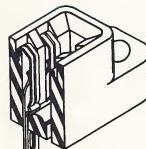
Standard part furnished with .142" Dia. Mtg. hole.  
Optional Mounting Hardware available listed on page 15.

## "RELI-ACON" Card Receptacles

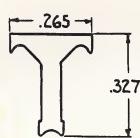


FD-600 Series

FD-600 Series. Double side card receptacles with separate termination for two sided boards employ glass filled dially phthalate in the insulators and have beryllium-copper hard gold-plated contacts. Available in either solid or split face design at area mating with plug-in PC Board. (See Detail) Contacts have a duo-spring principle which insures full tab contact to the total depth of the inserted card and must maintain a minimum of  $\frac{1}{2}$  oz. retention individually when measured with .054 gauge after repeated insertions of oversize .070 card. When ordering split-face type contact, add suffix -SF to part number. Example FD-600S-SF

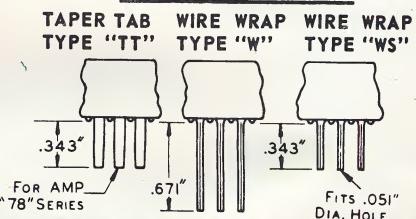


SPLIT FACE DETAIL  
FD-600S-SF



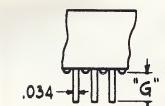
POLARIZING KEY  
PKN-600

### CONTACT TERMINATIONS



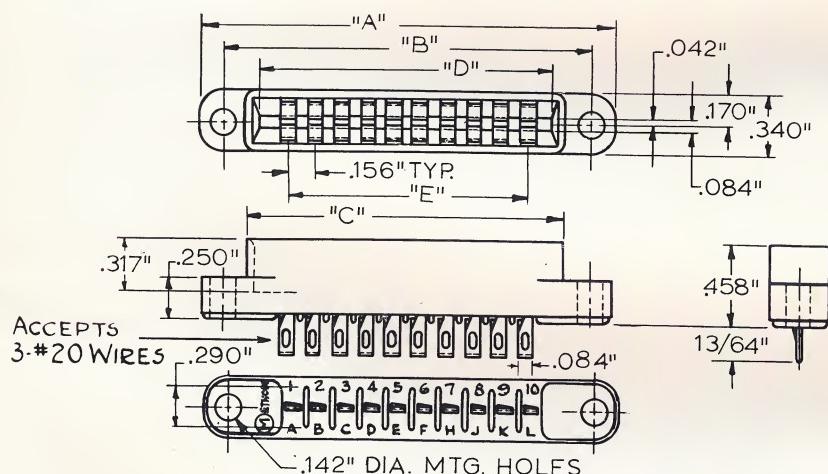
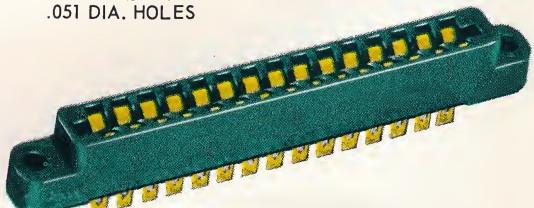
## "RELI-ACON" Card Receptacles

WS SERIES	"G" LENGTH
WS (312)	5/16
WS (203)	13/64



SOLDER DIP  
TERMINAL CD-600  
WS SERIES FITS  
.051 DIA. HOLES

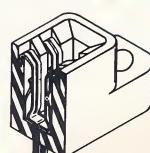
EXAMPLE: CD-600WS(312)



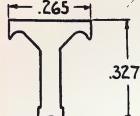
CD-610S is Shown

Part Number	Dim. "A"	Dim. "B"	Dim. "C"	Dim. "D"	Dim. "E"	No. of Contacts
CD-606S	1.785	1.531	1.239	1.097	.781	6
CD-608S	2.097	1.843	1.551	1.409	1.093	8
CD-610S	2.410	2.156	1.864	1.723	1.406	10
CD-612S	2.722	2.468	2.176	2.035	1.716	12
CD-615S	3.191	2.937	2.645	2.504	2.187	15
CD-618S	3.660	3.406	3.114	2.972	2.656	18
CD-622S	4.285	4.031	3.739	3.597	3.281	22
CD-624S	4.597	4.343	4.051	3.909	3.593	24

Standard part furnished with .142" Dia. Mtg. hole.  
Optional Mounting Hardware available listed on page 15.



SPLIT FACE DETAIL  
CD-600S-SF



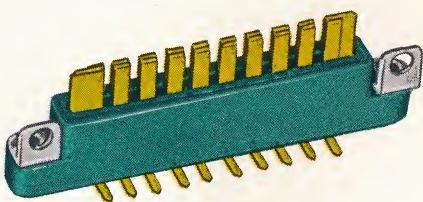
POLARIZING KEY  
PKN-600

## CD-600 Series

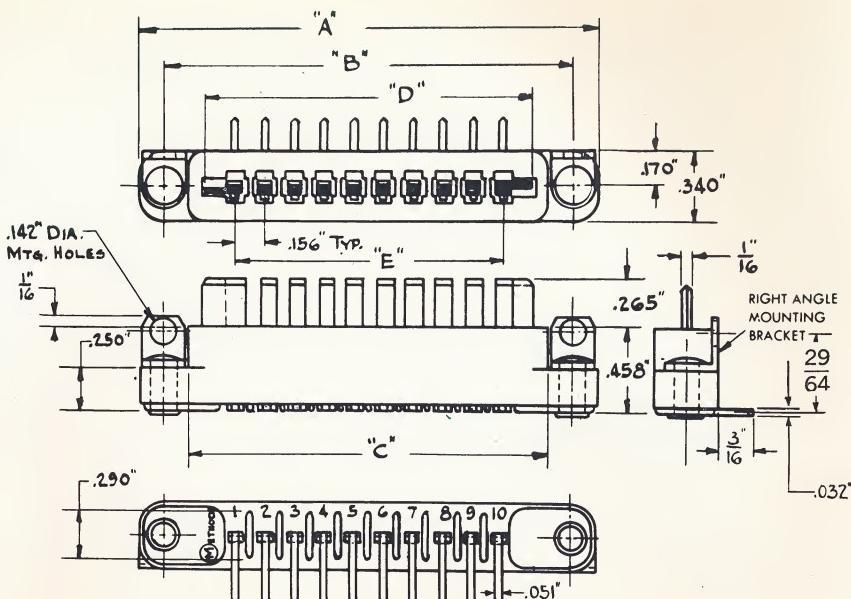
CD-600 Series. Single termination contacts for double sided printed circuit card. Employs glass filled dially phthalate in the insulators, and beryllium copper hard gold-plated contacts. Available in either solid or split face design at area mating with plug-in PC board. (See Detail) Contacts have a double-leaf spring principle which insures full tab contact to the full depth of the inserted card and must maintain a minimum of  $\frac{1}{2}$  oz. retention individually when measured with .054 gauge after repeated insertions of oversize .070 card. When ordering split-face type contact, add suffix -SF to part number. Example CD-600S-SF



**"RELI-ACON" Card Plugs**  
**MDR-600B Series**



MDR-600B Series. Right angle printed circuit plug for use with SD-600 series connectors. Employs glass-filled, dially phthalate as insulating material and brass hard gold-plated contacts on .156 centers. Requires .062 dia. holes for terminations in printed circuit board.



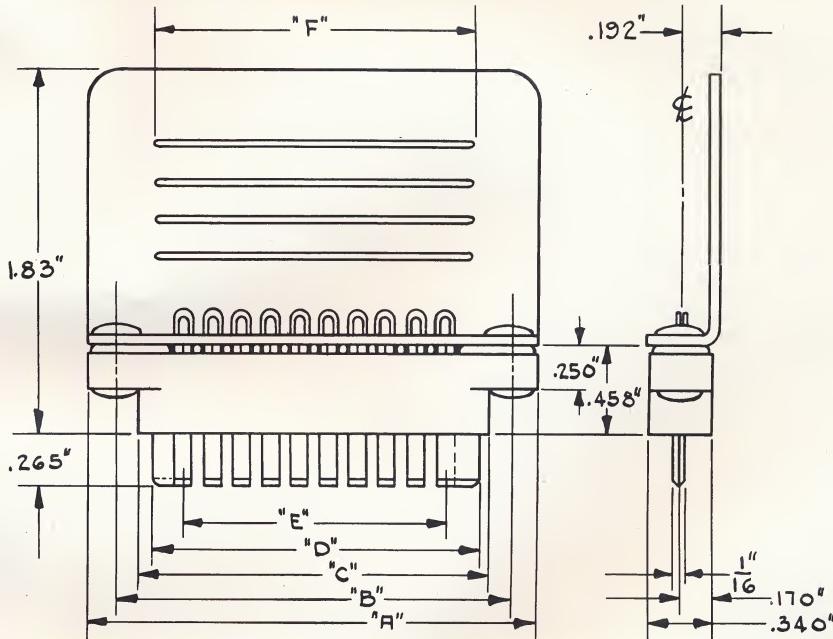
MDR-610B is Shown

Part Number	Dim. "A"	Dim. "B"	Dim. "C"	Dim. "D"	Dim. "E"	No. of Contacts
MDR-606B	1.785	1.531	1.239	1.088	.781	6
MDR-608B	2.097	1.843	1.551	1.400	1.093	8
MDR-610B	2.410	2.156	1.864	1.713	1.406	10
MDR-612B	2.722	2.468	2.176	2.025	1.716	12
MDR-615B	3.191	2.937	2.645	2.494	2.187	15
MDR-618B	3.660	3.406	3.114	2.963	2.656	18
MDR-622B	4.285	4.031	3.739	3.588	3.281	22
MDR-624B	4.597	4.343	4.051	3.900	3.593	24

**"RELI-ACON" "PLYO-DUCT"**  
**SRC-MD-600 Series**  
**Cable Plug**

**SRC-MD-600 Series**

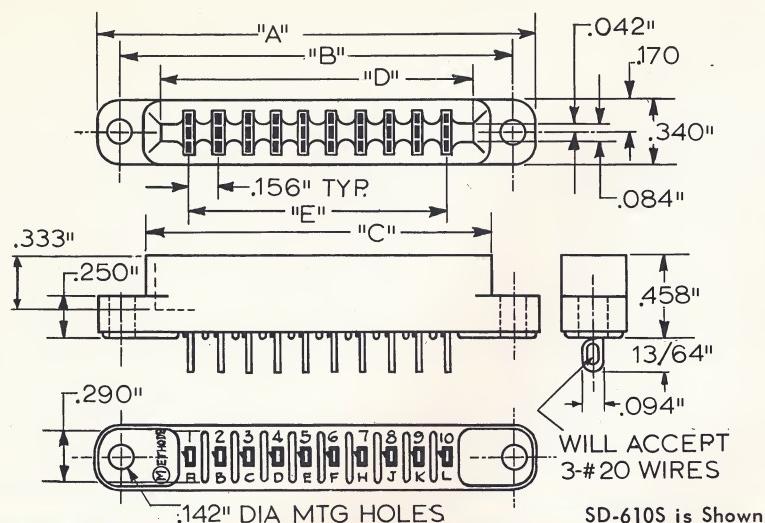
SRC-MD-600 Series. The standard MD-600 Series plug with attached strain relief clamp for "PLYO-DUCT" cabling. Relief clamps are available as a standard item in epoxy glass material. Other materials available on special request.



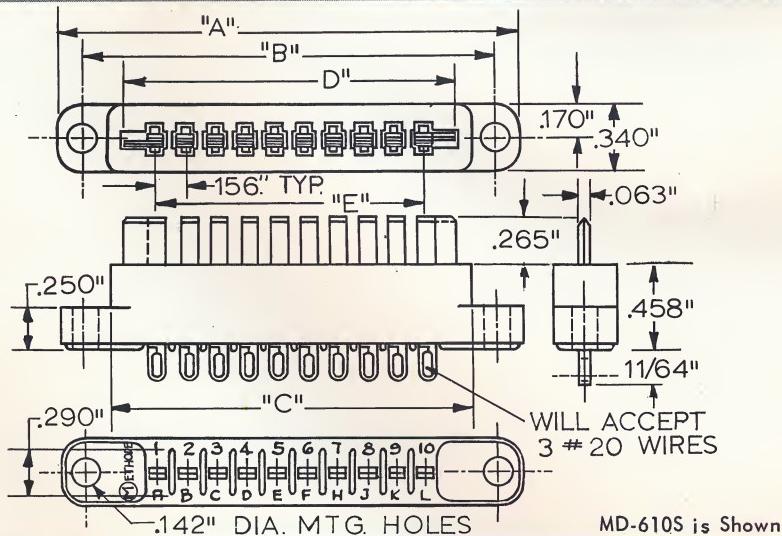
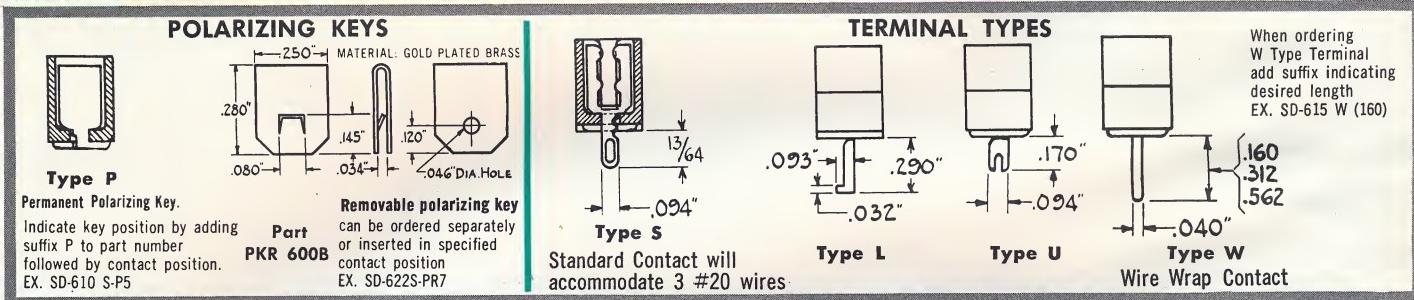
SRC-MD-610S is Shown

Part Number	Dim. "A"	Dim. "B"	Dim. "C"	Dim. "D"	Dim. "E"	Dim. "F"	No. of Contacts
SRC-MD-606S	1.785	1.531	1.239	1.088	.781	1.121	6
SRC-MD-608S	2.097	1.843	1.551	1.400	1.093	1.433	8
SRC-MD-610S	2.410	2.156	1.864	1.713	1.406	1.746	10
SRC-MD-615S	3.191	2.937	2.645	2.494	2.187	2.527	15
SRC-MD-618S	3.660	3.406	3.114	2.963	2.656	2.996	18
SRC-MD-622S	4.285	4.031	3.739	3.588	3.281	3.621	22
SRC-MD-624S	4.597	4.343	4.051	3.900	3.593	3.933	24

## "RELI-ACON" Receptacles M

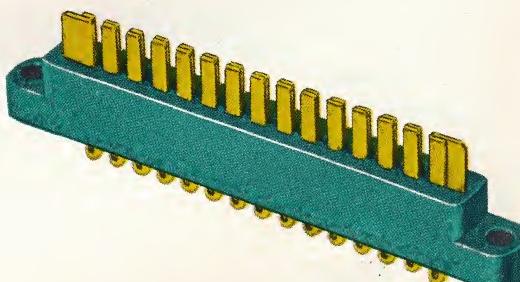


Part Number	Dim. "A"	Dim. "B"	Dim. "C"	Dim. "D"	Dim. "E"	No. of Contacts
SD-606S	1.785	1.531	1.239	1.097	.781	6
SD-608S	2.097	1.843	1.551	1.409	1.093	8
SD-610S	2.410	2.156	1.864	1.723	1.406	10
SD-612S	2.722	2.468	2.176	2.035	1.716	12
SD-615S	3.191	2.937	2.645	2.504	2.187	15
SD-618S	3.660	3.406	3.114	2.972	2.656	18
SD-622S	4.285	4.031	3.739	3.597	3.281	22
SD-624S	4.597	4.343	4.051	3.909	3.593	24



Part Number	Dim. "A"	Dim. "B"	Dim. "C"	Dim. "D"	Dim. "E"	No. of Contacts
MD-606S	1.785	1.531	1.239	1.088	.781	6
MD-608S	2.097	1.843	1.551	1.400	1.093	8
MD-610S	2.410	2.156	1.864	1.713	1.406	10
MD-612S	2.722	2.468	2.176	2.025	1.716	12
MD-615S	3.191	2.937	2.645	2.494	2.187	15
MD-618S	3.660	3.406	3.114	2.963	2.656	18
MD-622S	4.285	4.031	3.739	3.588	3.281	22
MD-624S	4.597	4.343	4.051	3.900	3.593	24

## "RELI-ACON" Plugs

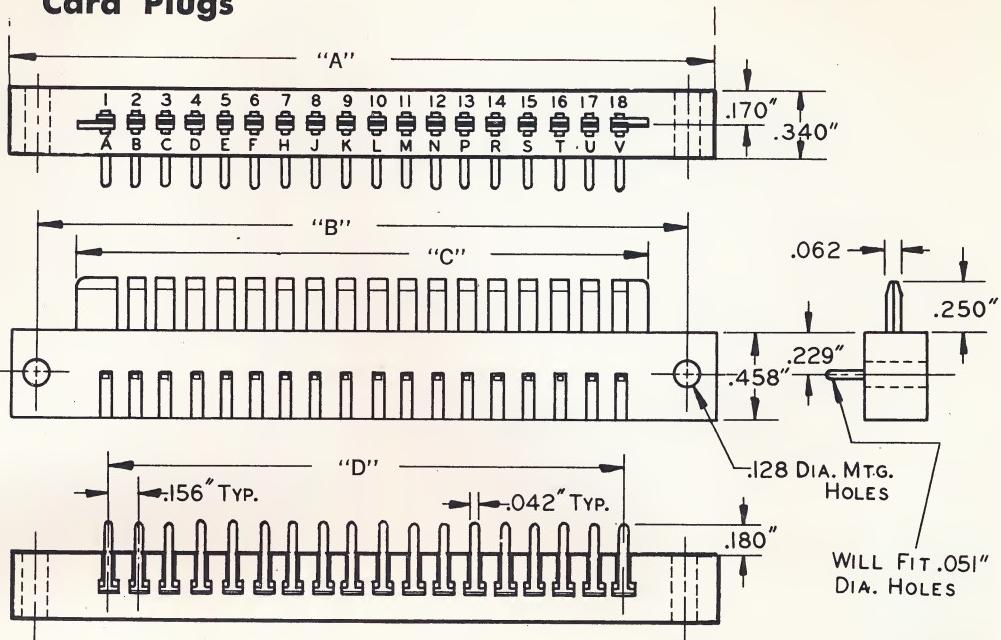


### MD-600 Series

MD-600 Series. Standard male plug for use with SD-600 Series employs glass filled diallyl phthalate as insulating material and brass, gold plated contacts.

Other insulating materials, contact materials, finishes and terminal styles are available on special request.

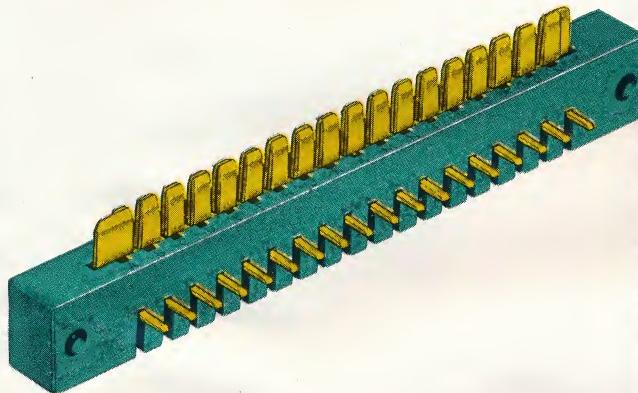
# Methode "RELI-ACON" Card Plugs



## MDR-600 CN Series

A right angle male plug designed specifically for P.C. Board dip solder application serves as a disconnect medium when used with SD-600 series connector. The design of the one piece molded dielectric reduces the possibility of moisture entrapment.

Standard connector is furnished with a glass reinforced diallyl-phthalate insulator and gold plated brass contacts on .156" center to center spacing. The contact terminals are designed to pass thru a hole .051" in diameter.



Part Shown: MDR-618CN

Part Number	Dim. "A"	Dim. "B"	Dim. "C"	Dim. "D"	No. of Contacts
MDR-606-CN	1.825	1.531	1.087	.781	6
MDR-608-CN	2.137	1.843	1.399	1.093	8
MDR-610-CN	2.450	2.156	1.716	1.406	10
MDR-612-CN	2.762	2.468	2.025	1.716	12
MDR-615-CN	3.231	2.937	2.497	2.187	15
MDR-618-CN	3.700	3.406	2.966	2.656	18
MDR-622-CN	4.325	4.031	3.591	3.281	22
MDR-624-CN	4.597	4.343	3.899	3.593	24

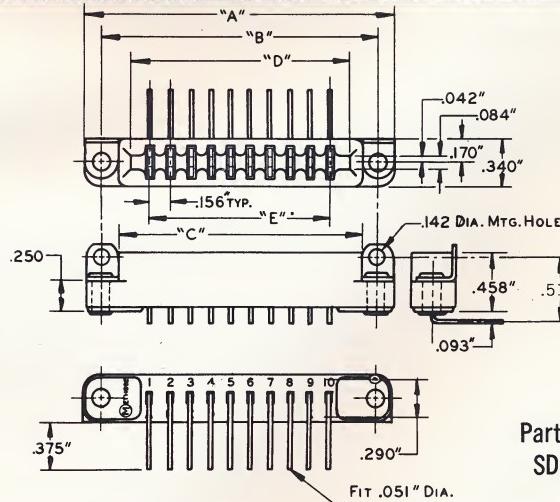
## "RELI-ACON" Receptacles

### SDR-600B Series CONNECTORS



These right angle card receptacles can be mounted to a P.C. board and accept a mating plug or P.C. board.

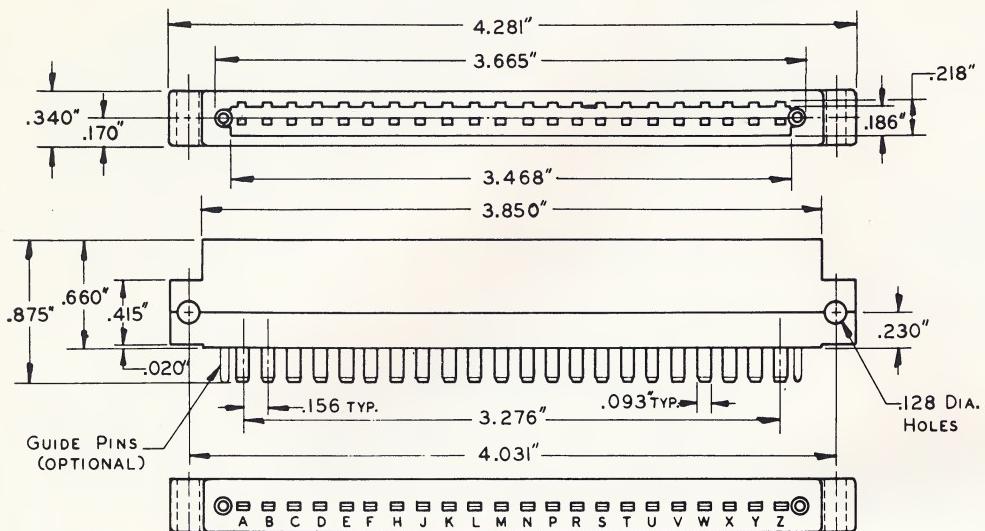
Standard part employs a glass reinforced diallyl-phthalate insulator and contacts of gold plated phosphor bronze on .156" spacing. The contact terminals are formed at a right angle to the card opening for dip solder application.



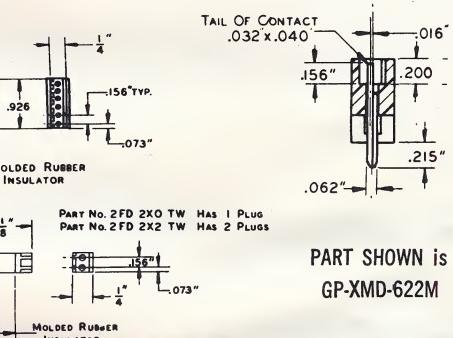
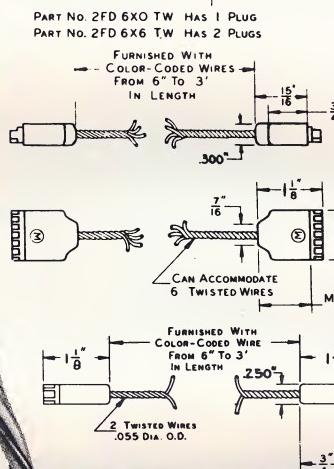
Part Shown:  
SDR-610B

Part Number	Dim. "A"	Dim. "B"	Dim. "C"	Dim. "D"	Dim. "E"	No. of Contacts
SDR-606B	1.785	1.531	1.239	1.097	.781	6
SDR-608B	2.097	1.843	1.551	1.409	1.093	8
SDR-610B	2.410	2.156	1.864	1.723	1.406	10
SDR-612B	2.722	2.468	2.176	2.035	1.716	12
SDR-615B	3.191	2.937	2.645	2.504	2.187	15
SDR-618B	3.660	3.406	3.114	2.972	2.656	18
SDR-622B	4.285	4.031	3.739	3.597	3.281	22
SDR-624B	4.597	4.343	4.051	3.909	3.593	24

**"RELI-ACON" Programming System Connectors**  
**GP-XMD-622 M CONNECTOR and PATCH CORDS**



Serrations on one side of both the patch cord and female connector preclude the possibility of mis-mating.

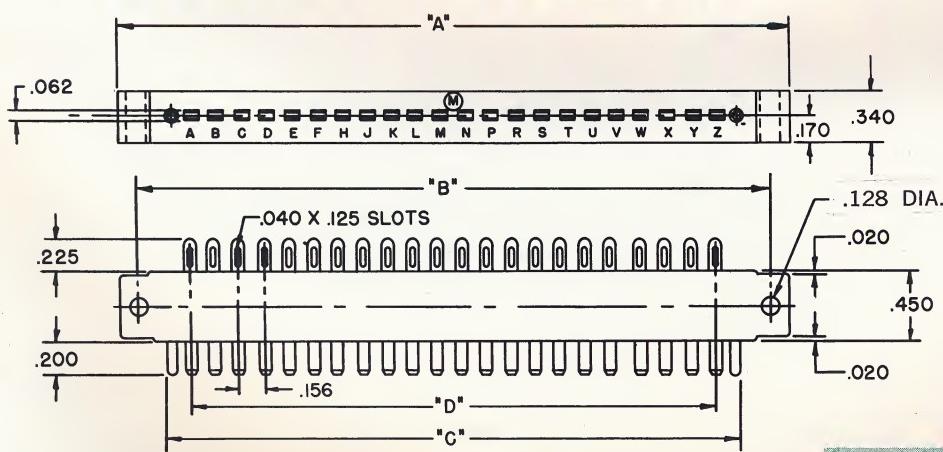


PART SHOWN is  
GP-XMD-622M

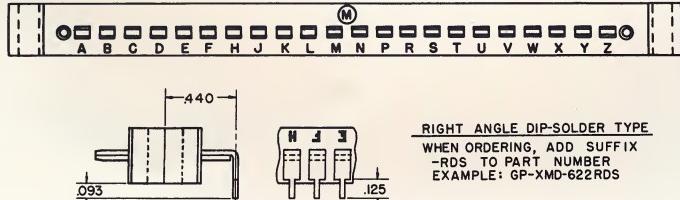
## **"RELI-ACON"® Plugs**

## **GP-XMD-600 SERIES**

Standard male plug employing molded insulator of glass reinforced diallyl phthalate and gold plated brass contacts on .156" center to center spacing for use with SD600 series receptacle. Contact terminals can be furnished with eyelet (capable of accepting 3 #20 AWG wires for conventional wiring) or formed at right angle at rear of connector body for printed circuit board dip solder application. Contact terminals are designed to pass through a .051" diameter hole.



PART SHOWN is GP-XMD-622S

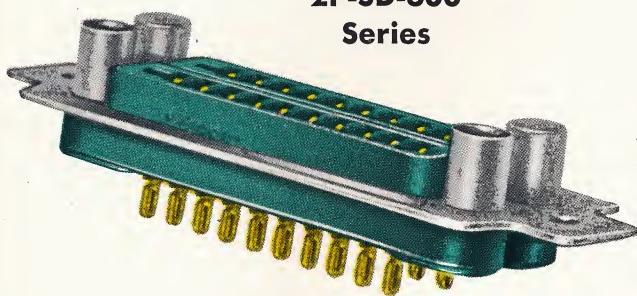


Part Number	Dim. A	Dim. B	Dim. C	Dim. D	No. Contacts
GP-XMD-606S	1.785	1.531	1.087	.781	6
GP-XMD-608S	2.097	1.843	1.399	1.093	8
GP-XMD-610S	2.410	2.156	1.713	1.406	10
GP-XMD-612S	2.722	2.468	2.025	1.716	12
GP-XMD-615S	3.191	2.937	2.494	2.187	15
GP-XMD-618S	3.660	3.406	2.962	2.656	18
GP-XMD-622S	4.285	4.031	3.587	3.281	22
GP-XMD-624S	4.597	4.343	3.899	3.593	24

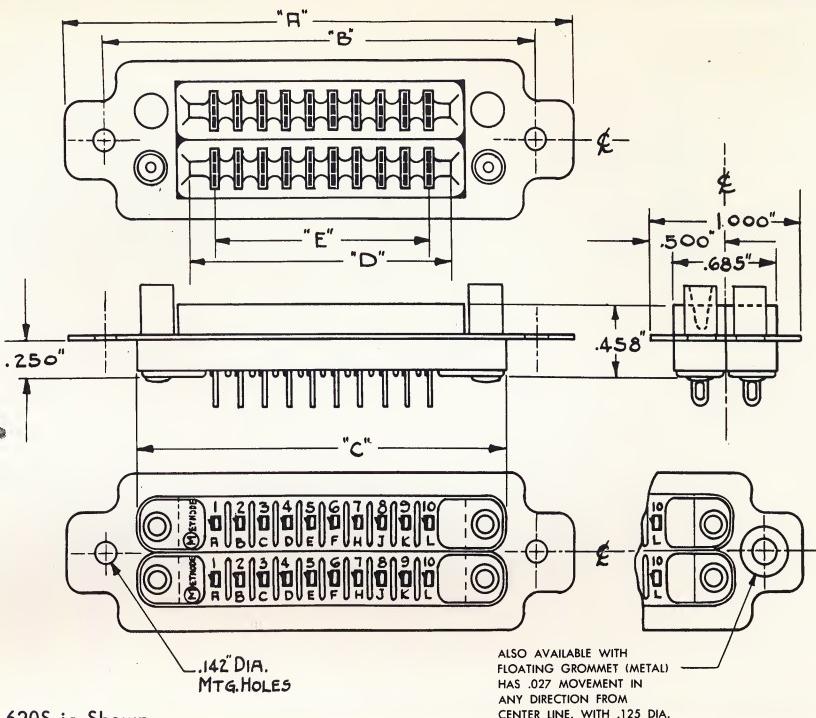


## "RELI-ACON" Paired Receptacles

**2P-SD-600  
Series**



2P-SD-600 Series. For rack and panel applications involving printed circuitry, or as a receptacle when used with the 2P-MD-600 series plug. Consists of two SD-600 series connectors mounted together by a common plate. Available with or without floating mounting grommets for misalignment allowances. For material specifications refer to SD-600 series on page 5.

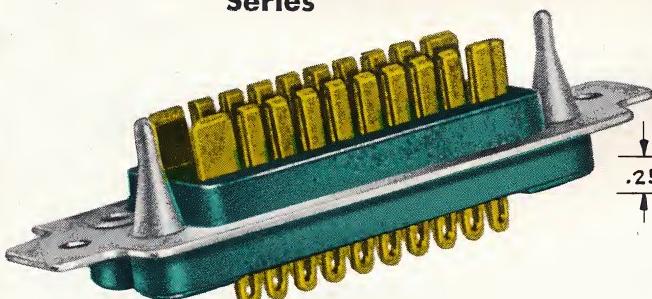


2P-SD-620S is Shown

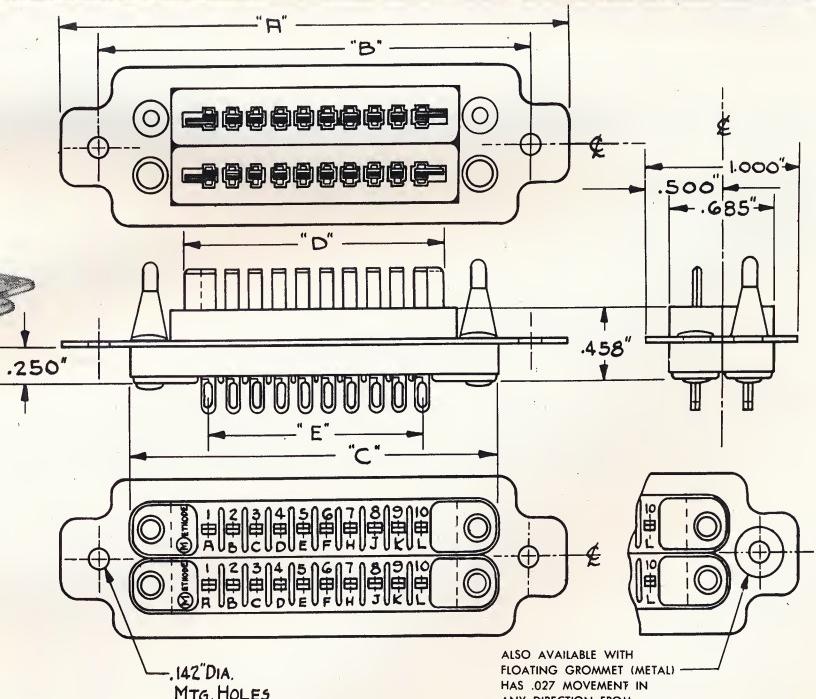
Part Number	Dim. "A"	Dim. "B"	Dim. "C"	Dim. "D"	Dim. "E"	No. of Contacts
2P-SD-612S	2.695	2.195	1.785	1.097	.781	12
2P-SD-616S	3.007	2.507	2.097	1.409	1.093	16
2P-SD-620S	3.320	2.820	2.410	1.723	1.406	20
2P-SD-630S	4.101	3.601	3.191	2.504	2.187	30
2P-SD-636S	4.570	4.070	3.660	2.972	2.656	36
2P-SD-644S	5.195	4.695	4.285	3.597	3.281	44
2P-SD-648S	5.507	5.007	4.597	3.909	3.593	48

## "RELI-ACON" Paired Plugs

**2P-MD-600  
Series**



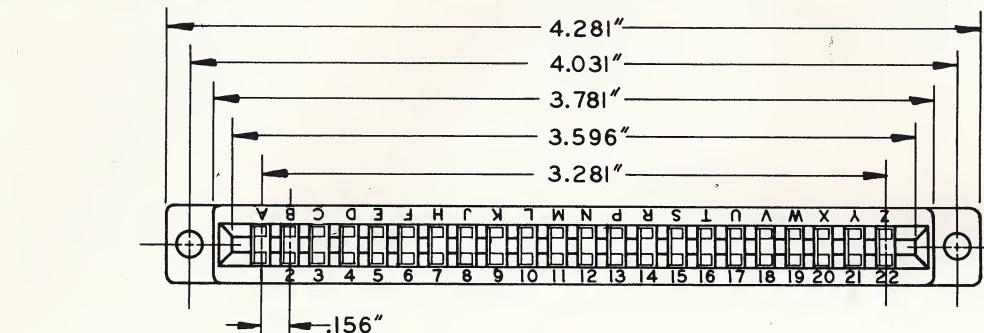
2P-MD-600 Series. Consists of two standard MD-600 series plugs mounted together by a common plate. For use with the 2P-SD-600 series connector as a line disconnect plug. Polarizing pin provides positive mating. For material specifications refer to MD-600 series on page 5.



2P-MD-620S is Shown

Part Number	Dim. "A"	Dim. "B"	Dim. "C"	Dim. "D"	Dim. "E"	No. of Contacts
2P-MD-612S	2.695	2.195	1.785	1.088	.781	12
2P-MD-616S	3.007	2.507	2.097	1.400	1.093	16
2P-MD-620S	3.320	2.820	2.410	1.713	1.406	20
2P-MD-630S	4.101	3.601	3.191	2.494	2.187	30
2P-MD-636S	4.570	4.070	3.660	2.963	2.656	36
2P-MD-644S	5.195	4.695	4.285	3.588	3.281	44
2P-MD-648S	5.507	5.007	4.597	3.900	3.593	48

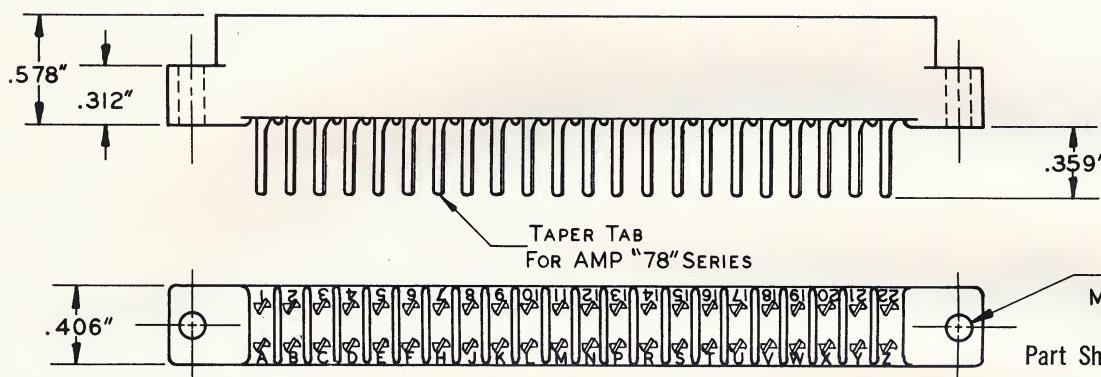
**"RELI-ACON" Card Receptacles**  
**- Taper Tab -**



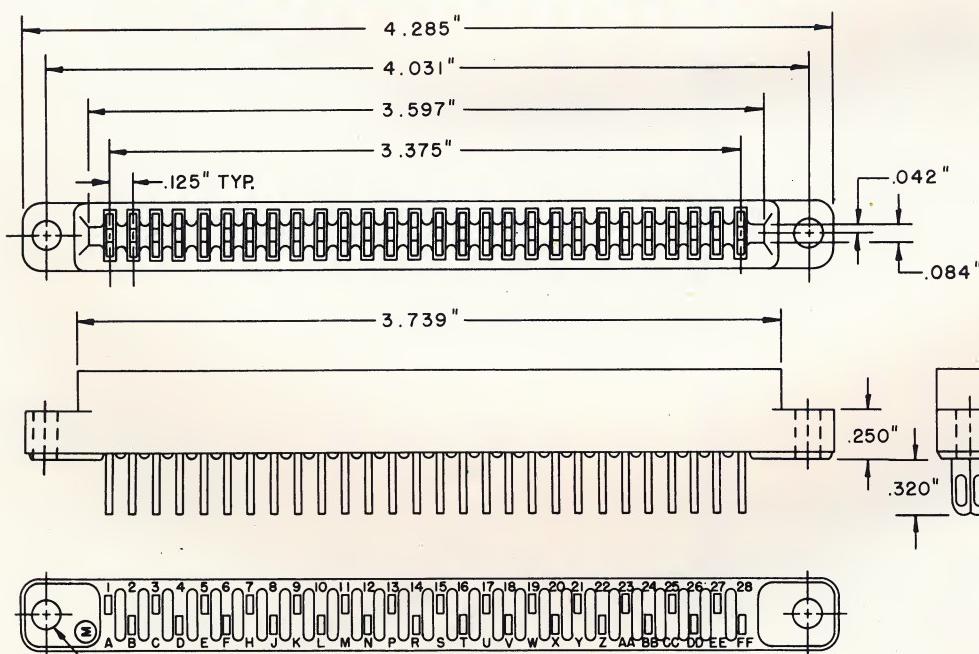
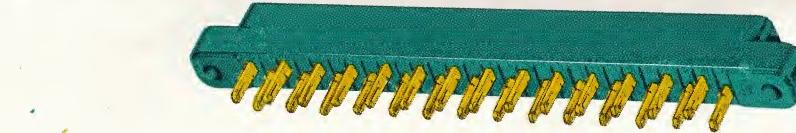
**SMI-600 Series  
RECEPTACLES**

These extremely versatile printed card receptacles for use with both single or double sided  $\frac{1}{8}$ " thick P.C. boards, are furnished with contact terminals that will accept taper tabs (AMP), dip solder, or conventional wire-solder applications.

Standard part furnished with a molded mica filled phenolic insulator, beryllium copper contacts plated gold over silver. Spaced on .156" centers.



**"RELI-ACON" Receptacles**



**SD-800 Series  
RECEPTACLES**

The connectors in this series were developed in keeping with the constant demand for miniaturization. Contacts are spaced on .125" centers with staggered terminals to reduce the possibility of flash over.

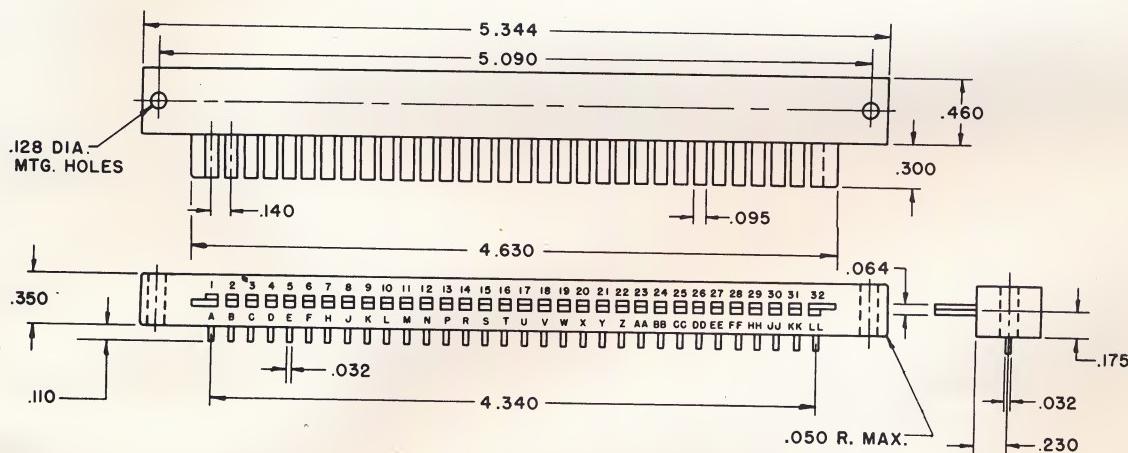
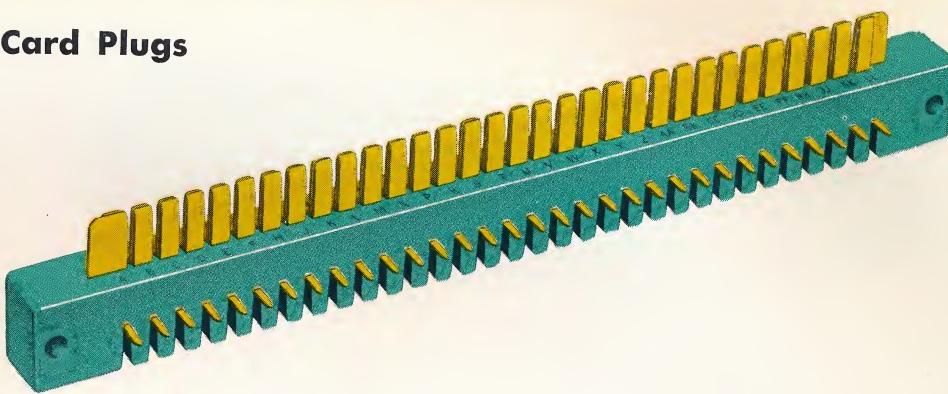
Standard part is furnished with a molded insulator of glass reinforced diallylphthalate and gold plated phosphor bronze contacts.

PART SHOWN is SD-828S

# Methode "RELI-ACON" Card Plugs

## MDR-832CN

Right angle male plug employing 32 contacts on .140" center to center spacing designed for printed circuit board dip solder applications using the mating SD-832S as a line disconnect. Standard part furnished with one piece molded insulator of glass reinforced dialyl phthalate and gold plated brass contacts designed to pass through a hole .051" in diameter.

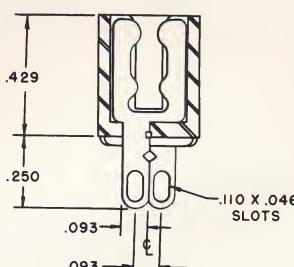
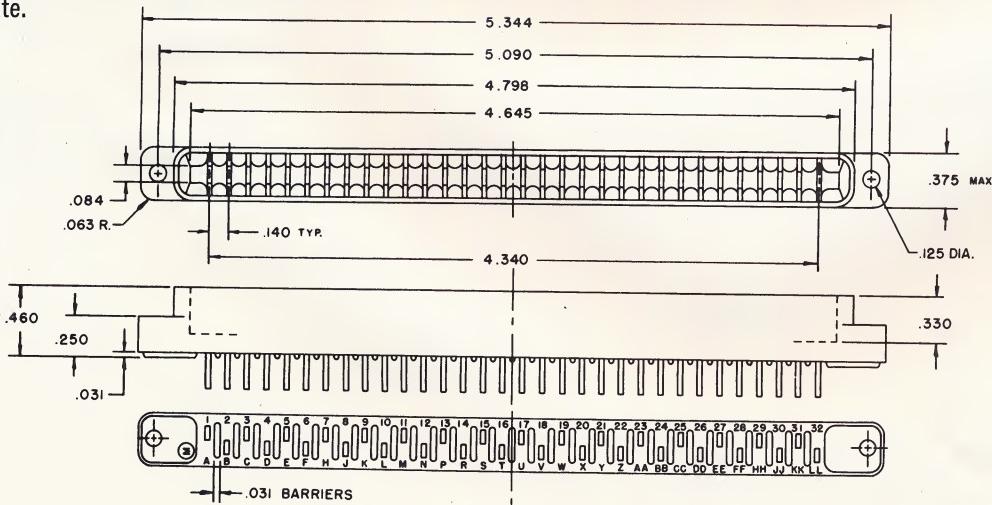


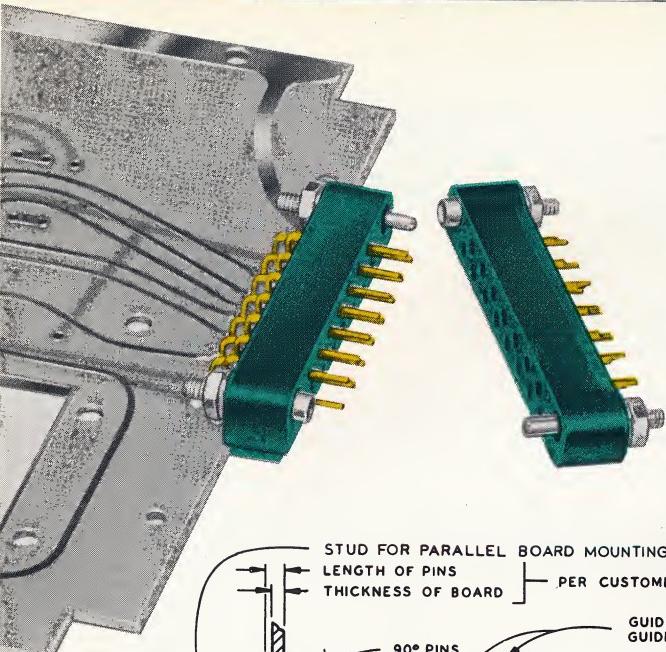
## "RELI-ACON" Receptacles

### SD-832S

Similar in design to the SD600 series connectors on page 5. Employ 32 contacts on .140" center to center spacing. Will accept either the MDR832CN male plug or  $\frac{1}{6}$ " thick printed circuit board. Terminals of contacts are staggered to facilitate wiring and preclude possibility of flash over.

Standard part furnished with gold plated phosphor bronze contacts and molded insulator of glass reinforced dialyl phthalate.

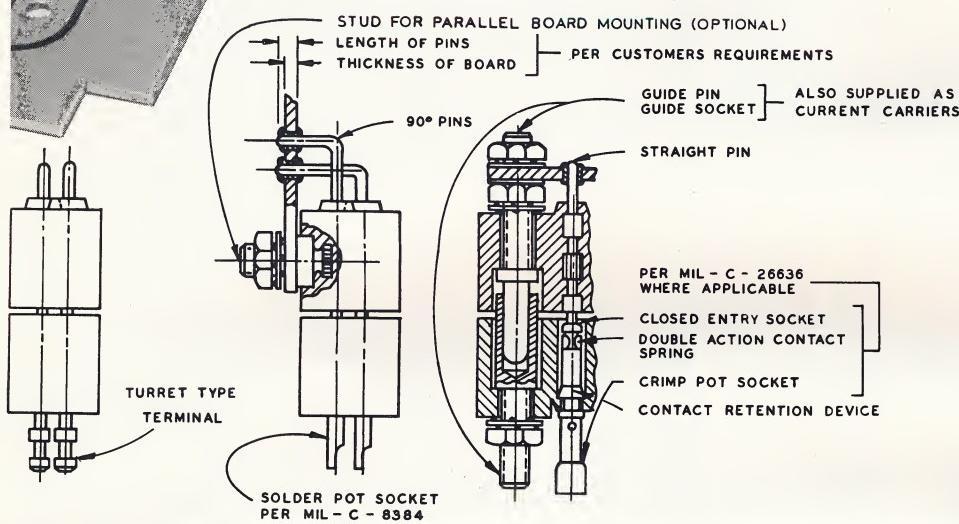




**"RELI-ACON" PIN and SOCKET (2-Part)  
PRINTED CIRCUIT CONNECTOR**

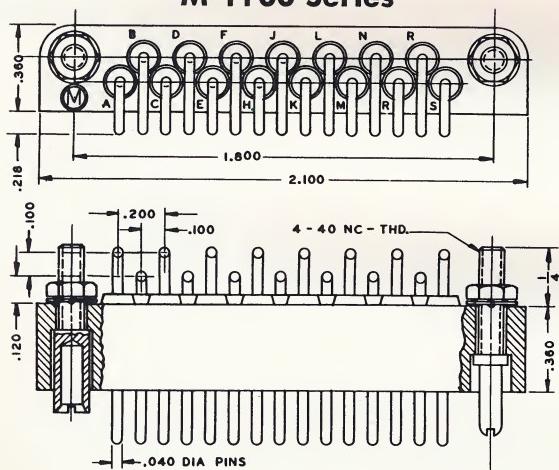


**M-1100 and F-1100 Series Connectors**



- Closed entry sockets to eliminate damage through use of test prod.
- Contact made by double action contact spring (with a small change of rate) assures uniform contact pressures for extremes of pin diameters.
- Sockets exceed requirements of MIL-C-26636 where applicable.
- Sockets floating in connector body for ease of mating and unmating. (Sockets self aligning.)
- Contact retention obtained through fiber filled nylon ring for snap in into connector body after assembly of wires.
- Contacts may be removed and reinserted repeatedly without tools or inexpensive tools provided by Methode.
- Snap in (and removal) feature allows use of various socket types:
  1. Sockets with solder pot terminal (tin filled)
  2. Sockets with crimp pot per MIL-C-26636
  3. Sockets with turret terminal
- Pin connector may be used with printed circuit boards of any thickness.
- Connector supplied for straight or right angle mounting.
- Guide pins and sockets to facilitate mating; may also be supplied as current carriers.

**M-1100 Series**



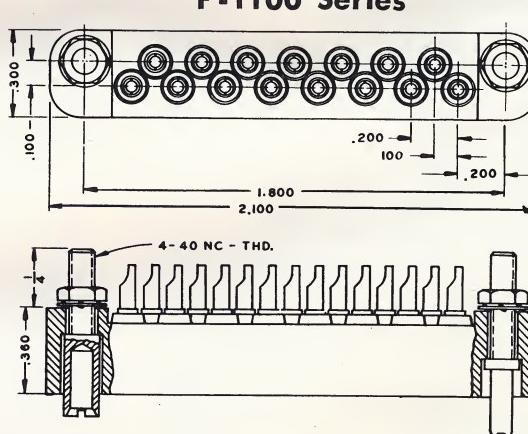
**ORDERING INSTRUCTIONS**

M X - II    XX - XX - XX

TS = THREADED STUD FOR  
PARALLEL BOARD MOUNTING  
PIN CONTACT TERMINATION  
RA = RIGHT ANGLE    ST = MOLDED IN  
NUMBER CONTACTS  
CONTACTS ON .100 STAGGERED CENTERS  
D = DIALL PHTHALATE OR  
M = MELAMINE (FIBER FILLED)  
MALE PIN TYPE CONNECTOR

EXAMPLE : MD - IIIS RA  
DENOTES PIN CONNECTOR, DIALL ON .100 STAGGERED  
CENTERS, STRAIGHT MTG, 15 RIGHT ANGLE PINS AND  
STD. GUIDE PIN AND SOCKET.  
IF CURRENT CARRYING GUIDE SOCKET IS REQ'D ADD  
NUMBER OF IT TO ORDER NUMBER  
EXAMPLE : MD - IIIS RA [1034]

**F-1100 Series**



**ORDERING INSTRUCTIONS**

F X - II    XX - XX

SOCKET CONTACT TERMINATION  
SP = SOLDER POT  
CP = CRIMP POT  
SS = SOLDER POT TIN FILLED  
TT = TURRET TERMINAL  
NUMBER CONTACTS  
CONTACTS ON .100 STAGGERED CENTERS  
D = DIALL PHTHALATE  
M = MELAMINE (FIBER FILLED)  
FEMALE SOCKET TYPE CONNECTOR

EXAMPLE : FM - IIIS CP  
DENOTES SOCKET CONNECTOR, MELAMINE, .100 STAGGERED CENTERS,  
15 CONTACTS, WITH CRIMP POT  
AND STD. GUIDE PIN AND SOCKET.  
IF CURRENT CARRYING GUIDE SOCKET IS REQ'D ADD NUMBER OF IT  
TO ORDER NUMBER  
EXAMPLE : FM - IIIS CP (1034)

# Methode "RELI-ACON" Card Receptacles

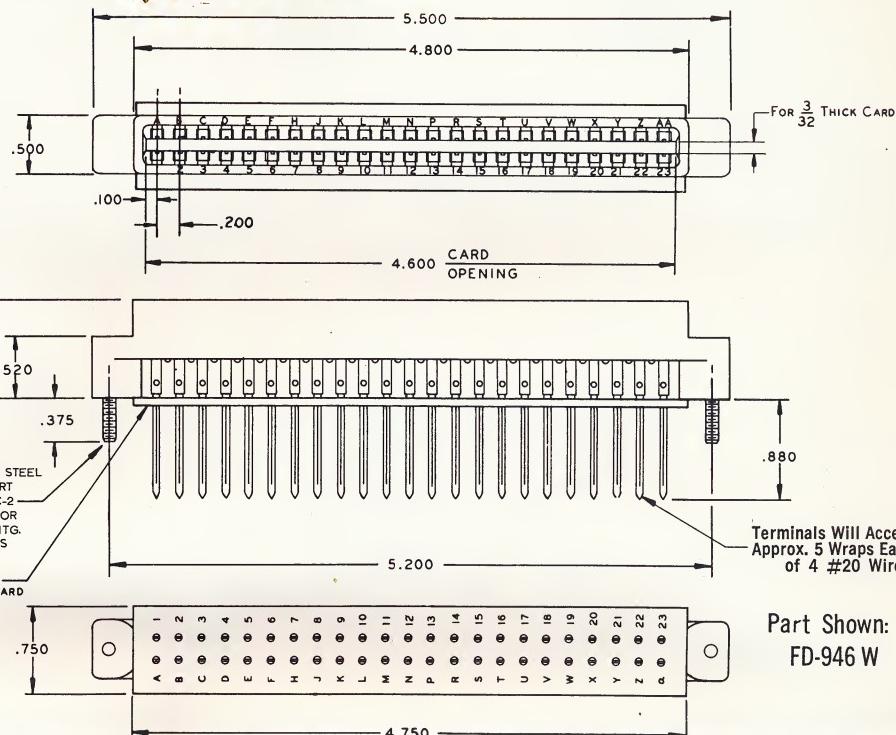
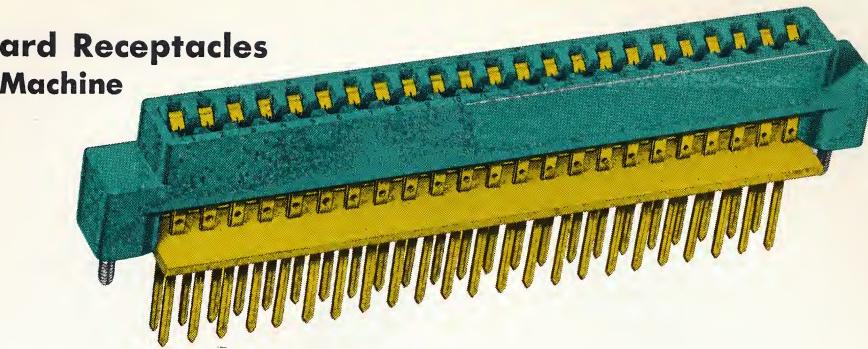
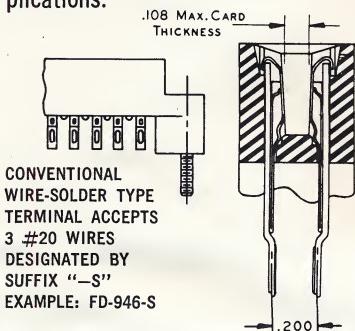
## Programmed Automatic Machine Wiring or Hand Wiring

### FD-900 SERIES

FD 900 W Series printed circuit card receptacles are designed to meet the requirements of heavy military applications and can be used with both single or double sided  $\frac{3}{32}$ " P.C. boards. Contact terminals are of the wire wrap type to provide rapid, dependable mechanical connections.

The standard part is furnished with a glass reinforced molded dielectric and gold plated beryllium copper contacts, employing .028 x .062 gold plated brass terminals to provide a reliable connection for up to 4 #20 wires consisting of 5 wraps each. The connector is furnished with a contact separator immediately below the casting to insure proper contact terminal spacing for machine wiring.

Part also available with "S" Type termination for conventional wire solder applications.



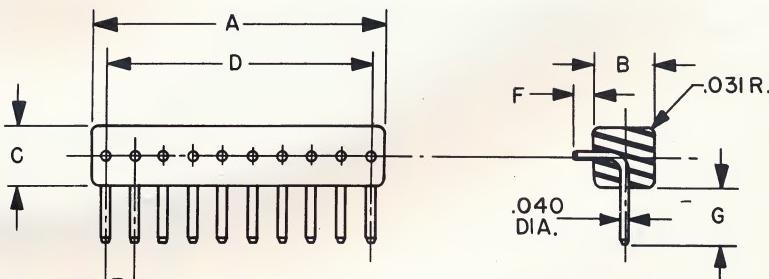
Part Shown:  
FD-946 W

### Terminal Blocks

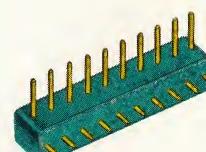
#### MR-900 SERIES

Specifically designed for right angle dip solder applications to printed circuit boards, the MR900 series connector bodies are of one piece construction.

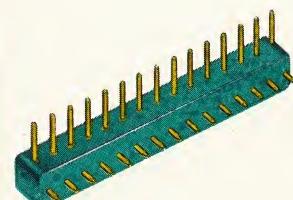
Standard part is furnished with green general purpose phenolic-insulator employing molded in place phosphor bronze gold plated contacts on .156" center to center spacing.



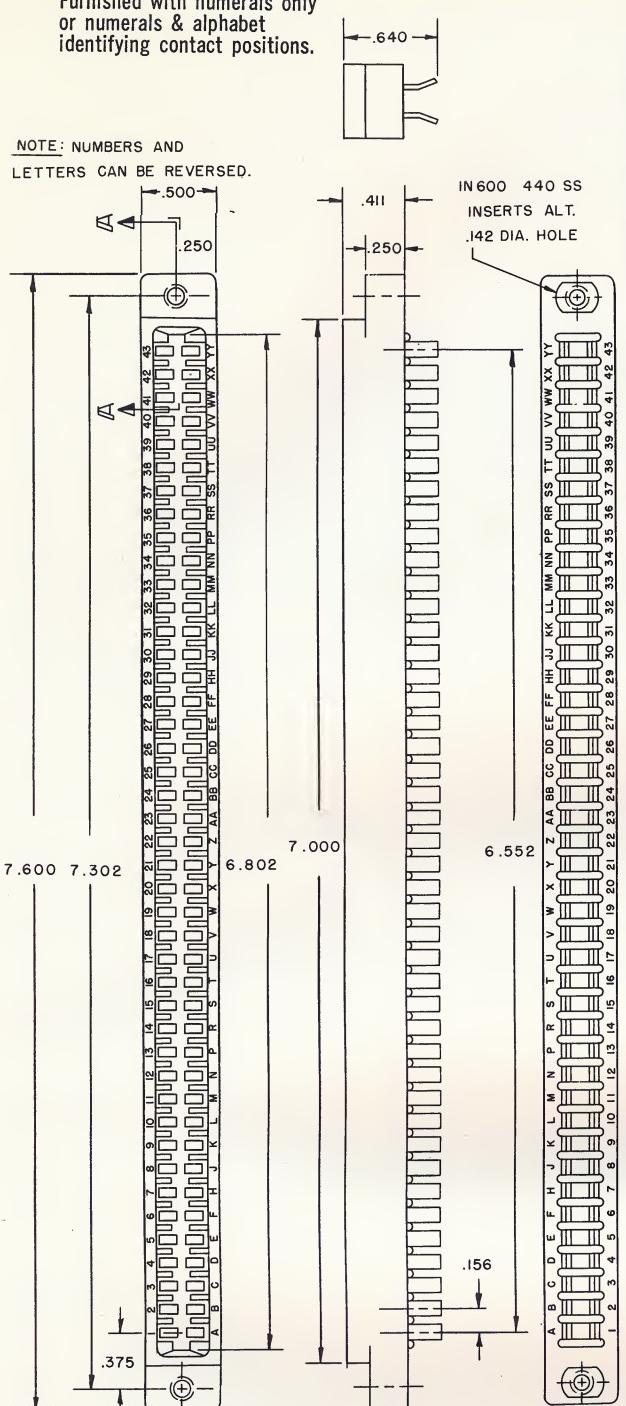
Part Number	Casting Material	Board Thickness	Dim. "A"	Dim. "B"	Dim. "C"	Dim. "D"	Dim. "E"	Dim. "F"	Dim. "G"	No. of Contacts
MR-910-3	Grn. Min. Filled	1/16	1-35/64	5/16	5/16	1.406	.156	1/8	3/16	10
MMR-910-3	Mica Filled	1/16	1-35/64	5/16	5/16	1.406	.156	1/8	3/16	10
MR-910-4	Grn. Min. Filled	3/32	1-35/64	5/16	5/16	1.406	.156	1/8	1/4	10
MMR-910-4	Mica Filled	3/32	1-35/65	5/16	5/16	1.406	.156	1/8	1/4	10
MR-910-5	Grn. Min. Filled	1/8	1-35/64	5/16	5/16	1.406	.156	1/8	5/16	10
MMR-910-5	Mica Filled	1/8	1-35/64	5/16	5/16	1.406	.156	1/8	5/16	10



Part Number	Casting Material	Board Thickness	Dim. "A"	Dim. "B"	Dim. "C"	Dim. "D"	Dim. "E"	Dim. "F"	Dim. "G"	No. of Contacts
MR-915-3	Grn. Min. Filled	1/16	2-21/64	5/16	5/16	2.187	.156	1/8	3/16	15
MMR-915-3	Mica Filled	1/16	2-21/64	5/16	5/16	2.187	.156	1/8	3/16	15
MR-915-4	Grn. Min. Filled	3/32	2-21/64	5/16	5/16	2.187	.156	1/8	1/4	15
MMR-915-4	Mica Filled	3/32	2-21/64	5/16	5/16	2.187	.156	1/8	1/4	15
MR-915-5	Grn. Min. Filled	1/8	2-21/64	5/16	5/16	2.187	.156	1/8	5/16	15
MMR-915-5	Mica Filled	1/8	2-21/64	5/16	5/16	2.187	.156	1/8	5/16	15



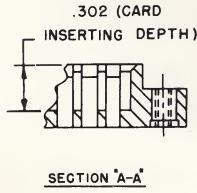
Furnished with numerals only  
or numerals & alphabet  
identifying contact positions.



**"RELI-ACON"** **FD-686S-440SS**  
**Card**  
**Receptacles** The FD686S-440SS contains (43 per side) center spacing for us

The FD686S-440SS connector provides 86 contacts (43 per side) on .156" center to center spacing for use with  $\frac{1}{8}$ " double sided printed circuit boards. Available with either solid or split face contacts, the latter providing two contacting surfaces at each contact position insuring a high degree of reliability.

Standard part furnished with molded insulator of glass reinforced diallyl phthalate gold plated beryllium copper contacts and stainless steel mounting hardware employing 4-40 threads.



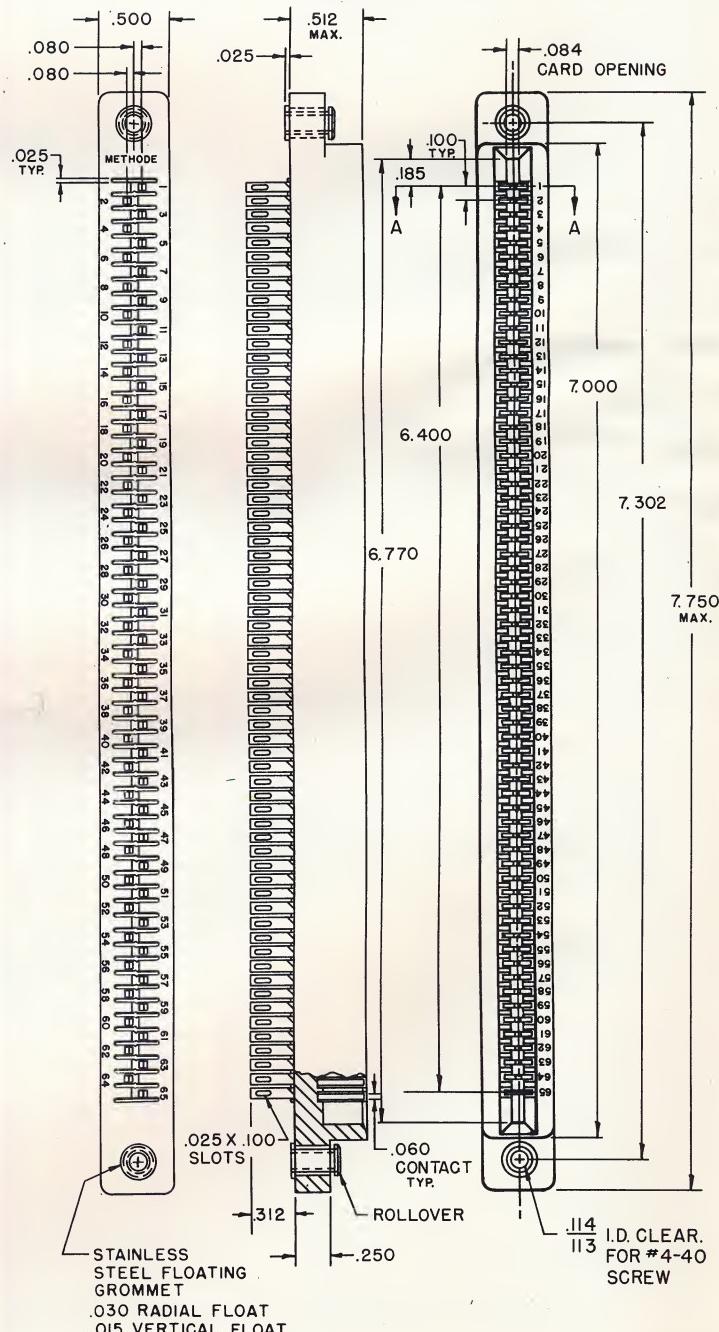
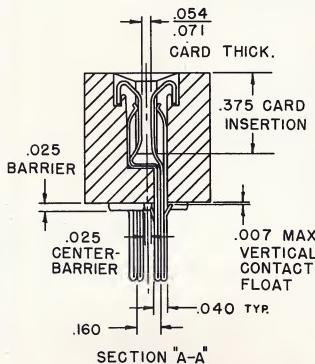
# **"RELI-ACON"**

## **Card Receptacles**

**CDS-865S-FG**

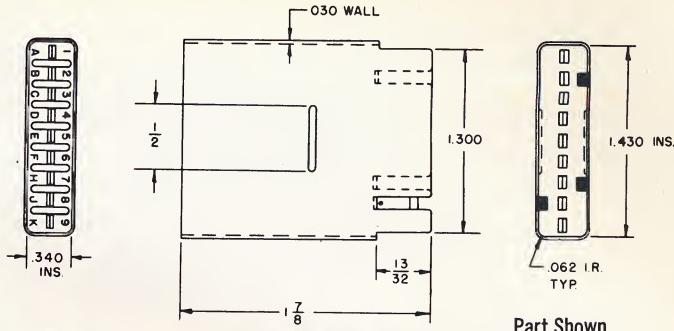
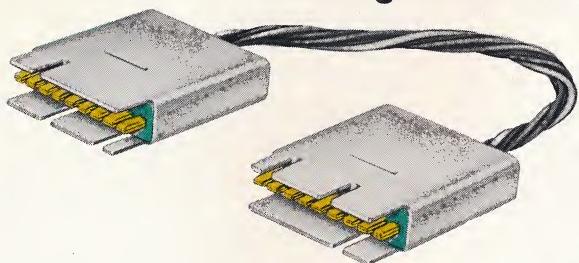
130 contact connector designed for dense packaging provides 130 contacts on .100" center to center spacing. Opposed contacts are electrically common to each other resulting in 65 staggered read outs. Eyelet in contact terminals designed to accept 3 #22 AWG wires for conventional wiring application. Float bushings at mounting lugs provide .030" radial float to insure proper alignment with  $\frac{1}{8}$ " thick plug in printed circuit board.

Standard part furnished with gold plated beryllium copper contacts molded dielectric of glass reinforced diallyl phthalate and stainless steel float bushings with .113"-.114" diameter clearance holes for 4-40 screw.

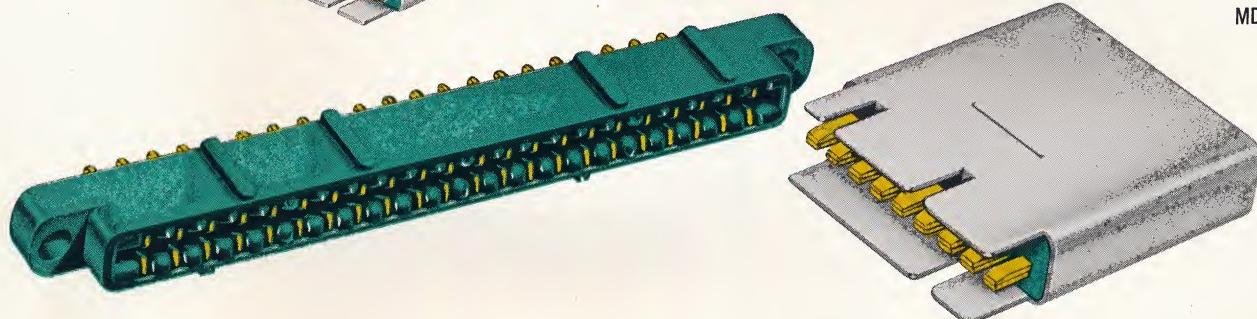




## Methode "RELI-ACON" Programming Plugs and Receptacles



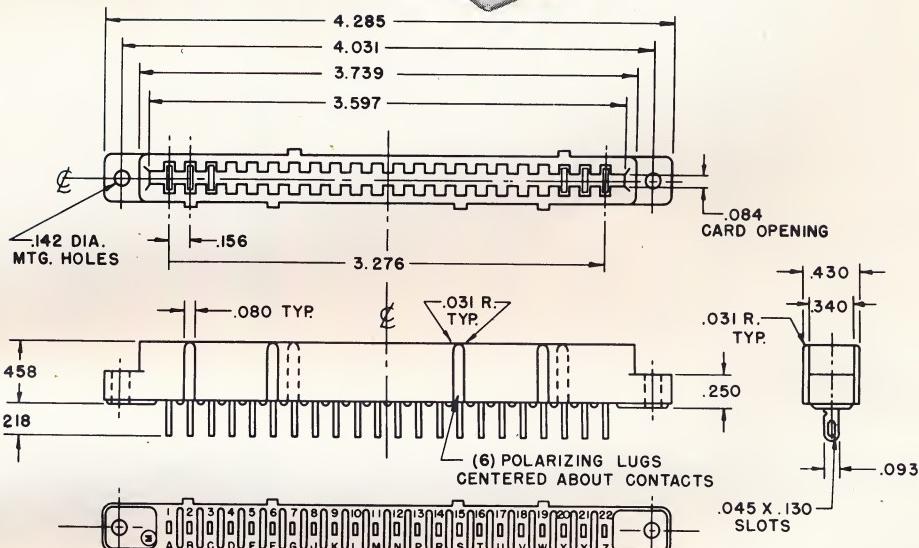
Part Shown  
MD-609S-PAS



### SD-622S-MPL & MATING MD-609S-PAS

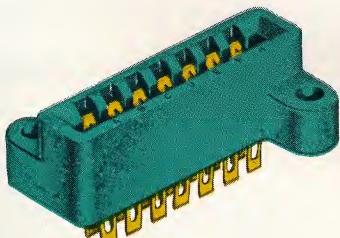
This series of patch cord type Reli-Acon Connector was developed for modular circuit programming systems requiring positive polarization.

Standard female connector will accept two of the mating patching plugs. Molded lugs on the insulator body insure proper alignment. Molded dielectric of glass reinforced diallyl phthalate employing 22 gold plated phosphor bronze contacts on .156" center to center spacing. Patching plug designed of one piece glass reinforced diallyl phthalate molded dielectric to reduce the possibility of moisture entrapment. Further moisture proofing may be obtained by potting the heavy gauge aluminum shell after assembly. Employs 9 gold plated brass contacts on .156" center to center spacing.



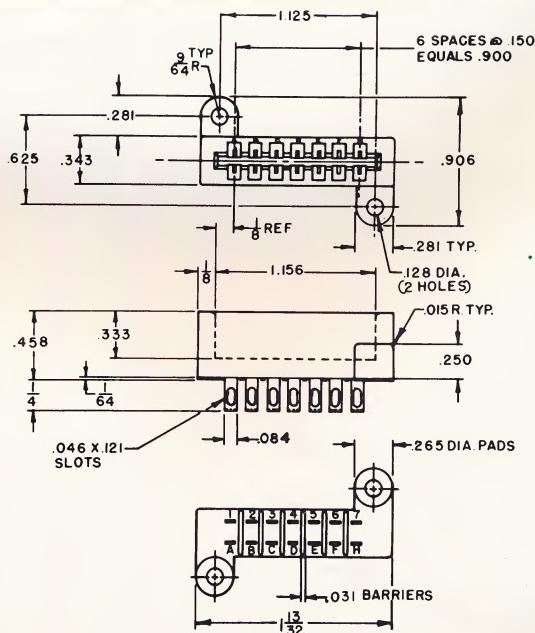
Part Shown SD-622S-MPL

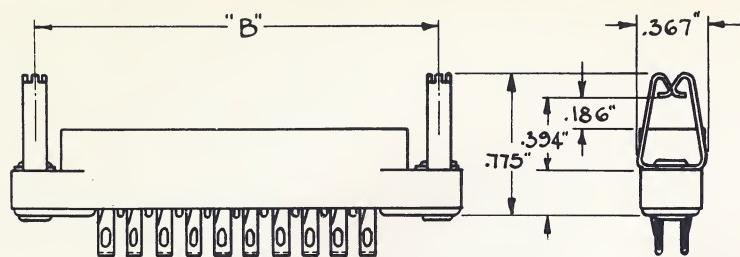
### "RELI-ACON" Card Receptacles



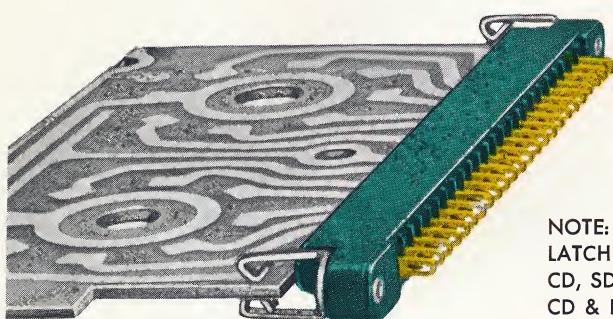
### FD-RAL-814S-SF

Designed for a unique connector application, the FD-RAL-814S-SF is a standard Reli-Acon type with lateral mounting pads. One piece molded dielectric is glass reinforced diallyl phthalate. Employs split face, gold plated beryllium copper contacts, providing each contact with two individual contacting surfaces for greater reliability under vibration and shock. Standard .150" center to center contact spacing.





## PRINTED CIRCUIT CARD RECEPTACLE LOCKING DEVICE



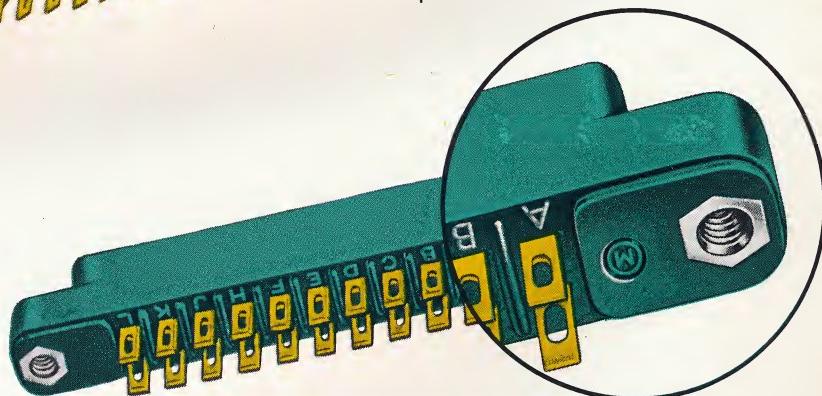
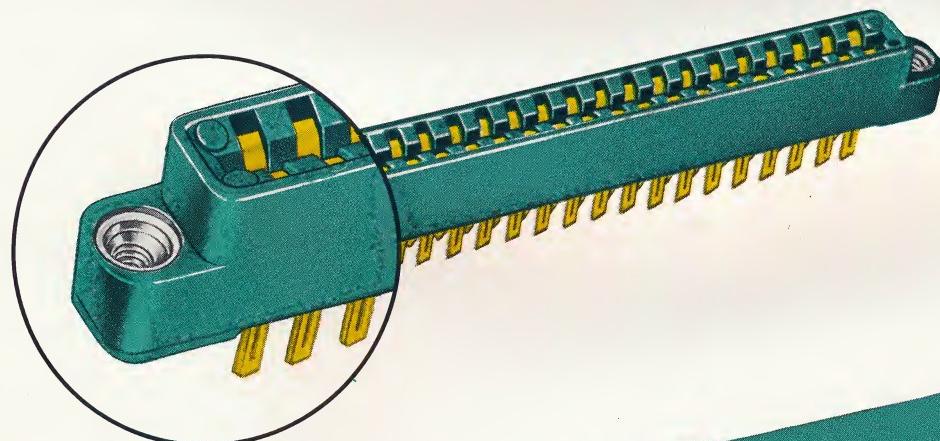
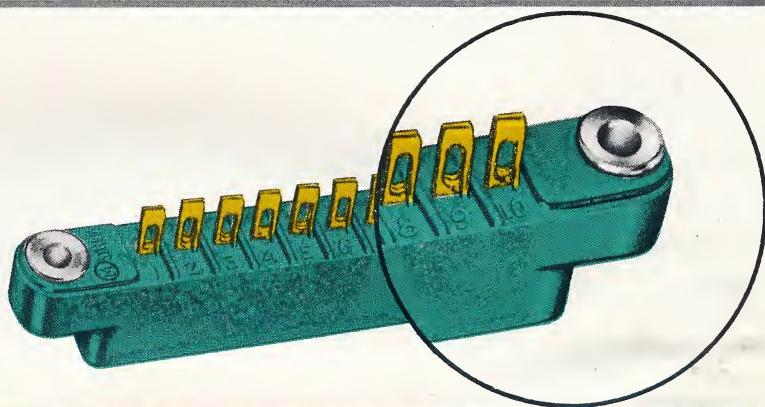
**NOTE:**  
LATCH DOG AVAILABLE ON EITHER  
CD, SD OR FD-600 SERIES. REFER TO  
CD & FD-600 SERIES FOR "B" DIM.

## FLOATING GROMMETS

### SD600, FD600, CD600 & FD700 Series Connectors

All above Series can be supplied with floating grommets in the mounting holes. They are specifically designed to overcome the problems of misalignment when mounting components in equipment and will allow the connector to move  $1/64"$  in any direction (lateral plane).

Standard part is supplied with a molded insulator of glass reinforced diallyl-phthalate and gold plated beryllium copper contacts on  $.156"$  spacing. The float bushing is of passivated stainless steel and provides  $.113/.114$  Dia. Mtg. hole.



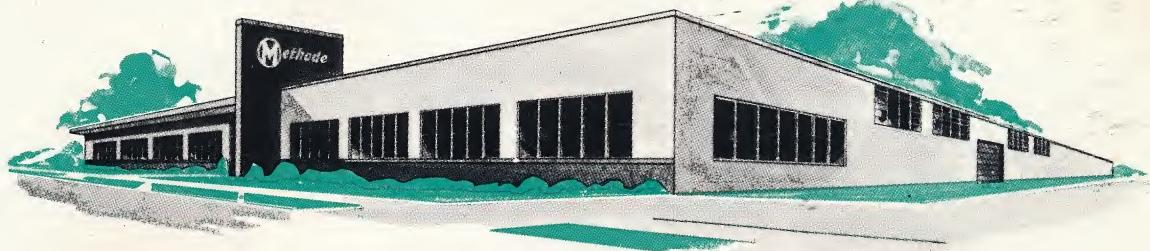
## Threaded Inserts

4-40 NC-2B threaded stainless steel inserts can be furnished, upon request, as an additional feature to the following connectors: CD-600, FD-600, MD-600, and SD-600 Series. Inclusion of inserts is specified by adding "-440SS" to basic part number.

Polarizing keys can be provided in any location required. To specify, add suffix P with contact position number to basic part number. For example, SD-618S-P4, 18 contact receptacle with polarizing key in contact position 4.

Omitted contacts are specified by adding O with contact position letter or letters to basic part number. For example, SD-622L-OABMN, 22 contact receptacle with contacts omitted from position ABMN.

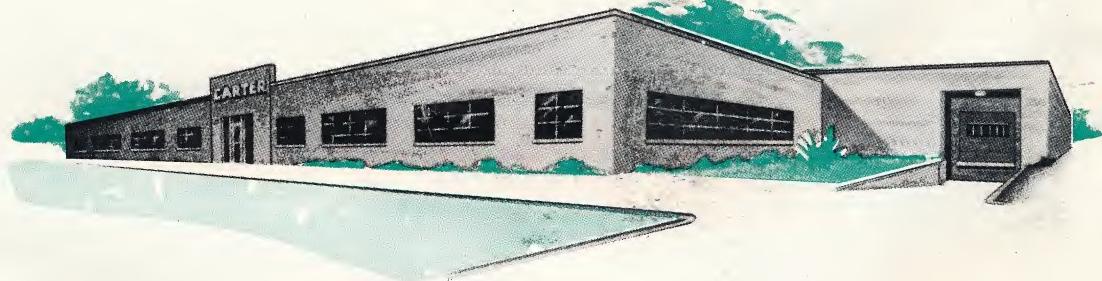
VOLTAGE { 1800 Volts A.C.  
RATING { at Sea Level.  
Current 5 Amperes.



**M**ethode Electronics, Inc. Harwood Heights, Illinois



**M**ethode Manufacturing Corp. Rolling Meadows, Illinois



**Carter Precision Electric Co. Skokie, Illinois**  
Methode Affiliate



**Methode Electronics, Inc. 7447 W. Wilson Ave. - Chicago 31, Ill.**

**Telephone: UUnderhill 7-9600**